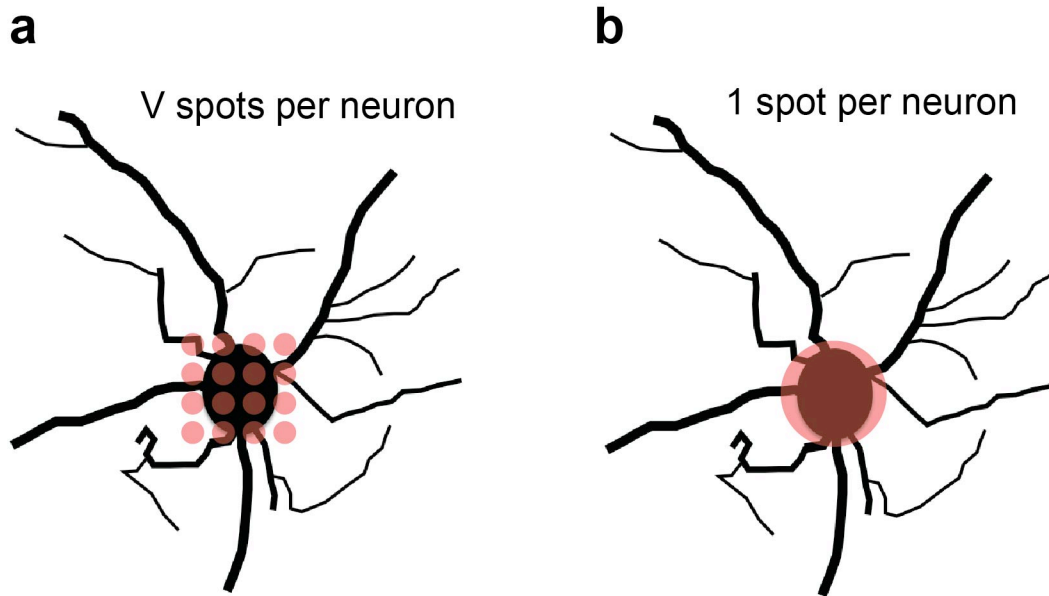


Supplementary Figure 1



Supplementary Figure 1

Schematic comparison of TeFo and diffraction-limited excitation.

In conventional two-photon imaging, a neuronal cell body is excited by a set of small (diffraction-limited) PSFs, whose signals are integrated (left). In contrast, in scanned TeFo, the whole neuron is sampled with a single, enlarged sculpted PSF (right). Here V is the (volume) ratio of the diffraction limited spot compared to the enlarged, sculpted TeFo spot.